

## Lake Hood - Summary of Initial Environmental Analysis

IMPACT CATEGORY	Alternative A (No Action)	Alternative B	Alternative C	Alternative D
<b>AIR QUALITY</b>	No Conformity determination No Interagency consultation	No Conformity determination or interagency consultation expected	Conformity determination expected Interagency consultation expected	Conformity determination expected Interagency consultation expected
<b>COASTAL RESOURCES</b>	No Consistency Determination	Consistency Determination	Consistency Determination	Consistency Determination
<b>COMPATIBLE LAND USE</b>	No change in existing noise and/or odor  No change in number of occupied buildings in RPZ  No new land development  No change in traffic patterns	Possible change in noise and/or odor issues  No occupied buildings in RPZ. Option B-1 maintains existing runway configuration and acquires residential properties in the RPZ  Eliminates trail northwest around lake to Coastal Trail  Eliminates public access via Lakeshore Drive.  Fencing prohibits public access to wetlands and lakeshore walkway.	Likely change in noise and/or odor issues  Acquisition of residential properties in the RPZ  Reduces undeveloped land adjacent to neighborhood  Eliminates public access via Lakeshore Drive.  Fencing prohibits public access to wetlands.  Trail provides additional access to Coastal Trail.	Likely change in noise and/or odor issues  No occupied buildings in RPZ.  Requires avigation and hazard easement over Earthquake Park and TN Coastal Trail  Eliminates most undeveloped land adjacent to neighborhood  Eliminates public access via Lakeshore Drive.  Fencing prohibits public access to wetlands but improves security.  Trail provides additional access to Coastal Trail
<b>CONSTRUCTION IMPACTS</b>	No water quality degradation  No new wildlife disturbance	Shoreline and nearshore construction, with bank stabilization; lake dredging for new slips  Least amount of construction  minimal wetland fill	Shoreline and nearshore construction; excavation for 20 new slips; construction of another 12 slips  Intermediate amount of new construction  Shoreline habitat construction for 32 new slips; wetlands fill	Shoreline and nearshore construction, with bank stabilization; excavation for 60 new slips  Most new construction  New runway construction in high habitat value wetlands. New tiedowns/slips in shoreline habitat.
<b>DOT 4(f)</b>	No effect	Preserves beach and adjacent park; prevents recreational use of shared taxiway/road surfaces	Eliminates both beach and picnic area, but leaves upland area for public use.  Will need 4(f) Determination	Preserves beach and adjacent park; prevents recreational use of shared taxiway/road surfaces. Requires avigation/hazard easement for Earthquake Park and possibly Coastal Trail Will need 4(f) Determination

## Lake Hood - Summary of Initial Environmental Analysis

IMPACT CATEGORY	Alternative A (No Action)	Alternative B	Alternative C	Alternative D
<b>FISH, WILDLIFE, &amp; PLANTS</b>	No new impacts  No additional wildlife hazards	Fencing and shoreline/wetland construction may impact wildlife habitat, including migratory birds.  Possible new wildlife hazards due to displacement	Fencing and shoreline/wetland construction and fencing may impact wildlife habitat, including migratory birds.  New wildlife hazards likely due to displacement	Fencing and shoreline/wetland construction may impact wildlife habitat, including migratory birds. High habitat value land and possible eagle nesting will be impacted by new runway. Fencing will restrict access to high value wetland area in nw project area.  New wildlife hazards likely due to displacement and airstrip relocation
<b>FLOODPLAINS</b>	All lakeshore activity in 100-yr floodplain	All lakeshore activity in 100-yr floodplain. Additional tiedowns and lease lots in 100-year floodplain.	All lakeshore activity in 100-yr floodplain. Additional tiedowns and lease lots in 100-year floodplain	All lakeshore activity in 100-yr floodplain. Additional tiedowns and lease lots in 100-year floodplain
<b>HAZ MAT, POLLUTION PREVENTION &amp; SOLID WASTE</b>	No additional impacts	A Phase I site assessment is required  BMPs and regulatory requirements should avoid related impacts.	A Phase I site assessment is required  BMPs and regulatory requirements should avoid related impacts.	A Phase I site assessment is required  BMPs and regulatory requirements should avoid related impacts.
<b>LIGHT &amp; VISUAL IMPACTS</b>	Minimal new impact due to more aircraft operations and likely more vehicle traffic over time	Vehicle and aircraft lights, parking lot lights; runway lights and waterlane floodlights.  Least amount of proposed development near residential areas	Vehicle and aircraft lights; parking lot lights, runway lights.  Intermediate amount of proposed development near residential areas.	Vehicle and aircraft lights; Parking lot lights, runway lights and waterlane floodlights.  Greatest amount of proposed development near residential areas.
<b>NATURAL RESOURCES &amp; ENERGY SUPPLY</b>	No new impacts	Lowest present and future demand on resources	Intermediate amount of present and future demand on resources.	Highest present and future demand on resources
<b>NOISE</b>	Residences within DNL 65 db contour	May require modeling	May require modeling	May require modeling
<b>SOCIOECONOMICS, EJ &amp; CHILDRENS EH&amp;S ISSUES</b>	No property acquisition cost  No differential impacts to minorities or low income populations Lake available for recreation	Option B-1 acquires 7 duplexes  5.7 acres of additional lease lot area  No differential impacts to minorities or low income populations, Lake available for recreation	Acquires 14 duplexes  35.4 acres of additional lease lot area  No differential impacts to minorities or low income populations, Lake closed for contact recreation	Easement cost.  49.3 acres additional lease lot area  No differential impacts to minorities or low income populations, Lake available for recreation
<b>WATER QUALITY</b>	No increased runoff	Least amount of new paving, fill and development. Increased runoff to the lake unlikely	Intermediate amount of new paving, fill and development. Increased runoff to the lake unlikely	Most amount of new paving, fill and development Increased runoff to the lake unlikely; potential increase in runoff to the bog.
<b>WETLANDS</b>	None	15 ac disturbed	36 ac disturbed	62 ac disturbed

Notes: No resources present: Coastal barriers or reefs; Farmlands; Historical, Architectural, Archaeological and Cultural Resources; Wild and Scenic Rivers; Threatened and Endangered Species. All numbers are approximate -- for comparative purposes only.